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Attorney Docket No.: 21402-132

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Spytek, et al.
SERIAL NUMBER : 09/965,422 EXAMINER : Not Yet Assigned
FILING DATE : September 27, 2001 ART UNIT : 1645
FOR : Novel Proteins and Nucleic Acids Encoding Same

BOX IDS

Assistant Commissioner for Patents
Washington, D.C. 20231



30623

PATENT TRADEMARK OFFICE

TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page);
2. Modified Form 1449/PTO (3 pages), in duplicate;
3. Cited References C1-C63; and
4. Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any additional fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 21402-132 (Cura-432). A duplicate copy of this transmittal letter is enclosed herewith.

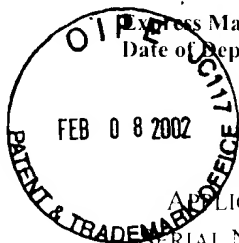
Respectfully submitted,

Ivor R. Elrifi
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MINTZ, LEVIN, COHN, FERRIS,
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Dated: February 8, 2002

TRA 1627712v1



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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action based on the merits in the above-identified case. Accordingly, no fee or certification is believed required.

It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed Form PTO-1449 to evidence that the cited information has been fully considered by the PATENT AND TRADEMARK OFFICE during the examination of this application.

Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 21402-132).

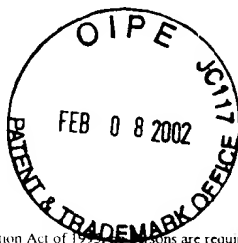
Respectfully submitted,

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Dated: February 8, 2002

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PTO/SB (12-97)

Approved for use through 9/30/00 OMB 0651-0031

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/965,422
	Filing Date	09/27/01
	First Named Inventor	Spytek
	Group Art Unit	1645
	Examiner Name	Not Yet assigned
	Attorney Docket Number	21402-132

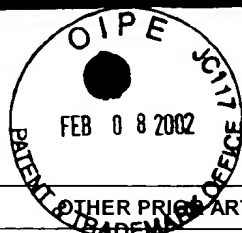
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U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	GenBank Accession Number: XP_042034 (12/10/01).
	C2	GenBank Accession Number: XP_053609 (10/16/01).
	C3	Asai, et al. (1996). "Genomic structure and transcription of a murine odorant receptor gene: differential initiation of transcription in the olfactory and testicular cells." <i>Biochem. Biophys. Res. Commun.</i> 221 (2): 240-247.
	C4	Ben-Arie, et al. (1994). "Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire." <i>Hum. Mol. Genet.</i> 3 (2): 229-235.
	C5	GenBank Accession Number: AF029357 (02/11/98).
	C6	SWALL (SPTR) Accession Number: O35434 (01/01/98).
	C7	GenBank Accession Number: AK016560 (12/26/01).
	C8	GenBank Accession Number: BAB30304 (12/26/01).
	C9	GenBank Accession Number: AF098664 (03/26/99).
	C10	GenBank Accession Number: NP_068632 (11/15/00).
	C11	SWALL (SPTR) Accession Number: Q63394 (11/01/96).
	C12	GenBank Accession Number: AF211941 (08/13/00).
	C13	GenBank Accession Number: Q15062 (11/01/97).
	C14	GenBank Accession Number: AAK95080 (08/27/01).
	C15	GenBank Accession Number: AAK95082 (08/27/01).
	C16	GenBank Accession Number: AF399595 (08/27/01).
	C17	GenBank Accession Number: AF399597 (08/27/01).
	C18	GenBank Accession Number: CAB49996 (09/09/99).
	C19	SWALL (SPTR) Accession Number: O95047



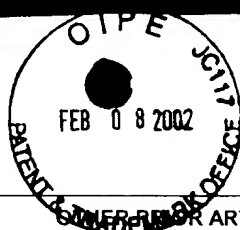
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C20	GenBank Accession Number: NP_112170 (05/02/01).
	C21	Issel-Tarver and Rine (1996). "Organization and expression of canine olfactory receptor genes." <i>Proc. Natl. Acad. Sci. USA</i> 93(20): 10897-10902.
	C22	GenBank Accession Number: AL136158 (07/03/01).
	C23	GenBank Accession Number: CAC43450 (07/03/01).
	C24	Krautwurst, et al. (1998). "Identification of ligands for olfactory receptors by functional expression of a receptor library." <i>Cell</i> 95(7): 917-926.
	C25	GenBank Accession Number: AAD13319 (02/08/99).
	C26	GenBank Accession Number: AF102527 (02/08/99).
	C27	SWALL (SPTR) Accession Number: Q62342 (11/01/96).
	C28	SWALL (SPTR) Accession Number: Q9H205 (10/16/01).
	C29	GenBank Accession Number: AAG45196 (08/07/01).
	C30	GenBank Accession Number: AAG45197 (08/07/01).
	C31	GenBank Accession Number: AAG45198 (08/07/01).
	C32	GenBank Accession Number: AF321234 (08/07/01).
	C33	Malnic, et al. (1999). "Combinatorial receptor codes for odors." <i>Cell</i> 96(5): 713-723.
	C34	Mark, et al. (2000). "G protein modulation of recombinant P/Q-type calcium channels by regulators of G protein signalling proteins." <i>J. Physiol.</i> 528 (Pt 1): 65-77.
	C35	GenBank Accession Number: NP_032788 (01/07/02).
	C36	GenBank Accession Number: P23275 (07/15/98).
	C37	Parmentier, et al. (1992). "Expression of members of the putative olfactory receptor gene family in mammalian germ cells." <i>Nature</i> 355(6359): 453-455.
	C38	GenBank Accession Number: AAC39611 (03/02/98).
	C39	GenBank Accession Number: AAC39630 (03/02/98).
	C40	GenBank Accession Number: AAC39633 (03/02/98).
	C41	SWALL (SPTR) Accession Number: O43869 (10/16/01).
	C42	GenBank Accession Number: U86215 (03/02/98).
	C43	GenBank Accession Number: U86278 (03/02/98).
	C44	GenBank Accession Number: U86281 (03/02/98).
	C45	GenBank Accession Number: AF179779 (03/09/00).
	C46	Rouquier, et al. (1998). "A gene recently inactivated in human defines a new olfactory receptor family in mammals." <i>Hum. Mol. Genet.</i> 7(9): 1337-1345.
	C47	GenBank Accession Number: AJ133430 (09/09/99).
	C48	GenBank Accession Number: NP_062346 (01/07/02).
	C49	GenBank Accession Number: NP_062347 (01/07/02).
	C50	GenBank Accession Number: NP_062348 (01/07/02).
	C51	GenBank Accession Number: NP_062358 (01/07/02).
	C52	GenBank Accession Number: NP_062359 (01/07/02).
	C53	SPTREMBL Accession Number: Q9QZ17 (05/01/00).
	C54	Thomas, et al. (1996). "Chemoreceptors expressed in taste, olfactory and male reproductive tissues." <i>Gene</i> 178(1-2): 1-5.

U.S.S.N.: 09/965,422
Applicants: Spytek, et al.



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PATENT AND TRADEMARK OFFICE ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C55	Vanderhaeghen, et al. (1997). "Specific repertoire of olfactory receptor genes in the male germ cells of several mammalian species." <i>Genomics</i> 39(3): 239-246.
	C56	Walensky, et al. (1998). "Two novel odorant receptor families expressed in spermatids undergo 5'-splicing." <i>J. Biol. Chem.</i> 273(16): 9378-9387.
	C57	Wootton and Federhen (1996). "Analysis of compositionally biased regions in sequence databases." <i>Methods Enzymol.</i> 266: 554-571.
	C58	Xiberas, et al. (2001). "In vivo extrastriatal and striatal D2 dopamine receptor blockade by amisulpride in schizophrenia." <i>J. Clin. Psychopharmacol.</i> 21(2): 207-214.
	C59	Xie, et al. (2000). "Characterization of a cluster comprising approximately 100 odorant receptor genes in mouse." <i>Mamm. Genome</i> 11(12): 1070-1078.
	C60	GenBank Accession Number: AL078630 (06/10/99).
	C61	GenBank Accession Number: CAB44994 (06/10/99).
	C62	GenBank Accession Number: AAF65461 (01/04/01).
	C63	GenBank Accession Number: NP_149046 (07/17/01).

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application. Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

TRA 1627635v1